



AMENDMENTS

This listing of claims will replace all prior versions, and listings, of claims in the application:

**Listing of Claims:**

1-55. (canceled)

1 56. (currently amended) A preparation, comprising the following fractions:

- a) a long chain polyunsaturated fatty acid fraction comprising <sup>120</sup>~~200~~-2000 mg per daily dosage of eicosapentaenoic acid (EPA) and docosahexaenoic acid (DHA) and wherein fraction a) comprises at least <sup>50</sup>~~200~~ mg of DHA per daily dosage;
- b) at least two different phospholipids selected from the group consisting of phosphatidylserine, phosphatidylinositol, phosphatidylcholine and phosphatidylethanolamine; and
- c) ~~at least one factor in methionine metabolism, selected from the group consisting of folic acid, vitamin B12, and vitamin B6, magnesium and zinc.~~

2 57. (previously presented) The preparation according to claim 56, wherein fraction b) comprises phosphatidylcholine, phosphatidylethanolamine and phosphatidylserine.

3 58. (previously presented) The preparation according to claim <sup>2</sup>~~57~~, wherein the weight ratio of phosphatidylcholine and phosphatidylethanolamine to phosphatidylserine is in the range from 0.5:1 to 20:1.

4 59. (previously presented) The preparation according to claim 56, wherein the phospholipids are present in an amount of at least 0.2 g.

5 60. (previously presented) The preparation according to claim <sup>1</sup>~~56~~, wherein phosphatidylserine is present in an amount of at least 0.1 g.

6 61. (previously presented) The preparation according to claim 56,  
wherein fraction a) further comprises at least one member selected from the group  
consisting of linoleic acid and  $\alpha$ -linolenic acid, and optionally one  $\Omega$ -6 fatty acid selected  
from dihomo $\gamma$ -linolenic acid (DHGLA) and arachidonic acid (AA), and wherein the  
ratio of the total amount of EPA + DHA + DHGLA + AA to the total amount of linoleic acid  
and  $\alpha$ -linolenic acid is above 0.4:1.

7 62. (previously presented) The preparation according to claim 56, further  
comprising ~~d)~~ at least one of a citrate or citric acid.

8 63. (previously presented) The preparation according to claim 56, further  
comprising ~~e)~~ huperzine A.

64. (canceled)

9 65. (previously presented) The preparation according to claim 56,  
wherein fraction c) further contains at least one member selected from the group consisting  
of S-adenosylmethionine, choline, betaine and copper.

10 66. (previously presented) The preparation according to claim 56,  
wherein said preparation further comprises copper, <sup>and</sup> ~~fraction e)~~ comprises zinc, and the  
weight ratio of zinc to copper is between 5 and 12.

11 67. (previously presented) The preparation according to claim 56, which  
further contains ~~f)~~ at least one member selected from the group consisting of carnitine,  
vitamin B1, vitamin B5 and coenzyme Q10.

12 68. (previously presented) The preparation according to claim 56, which  
further contains ~~g)~~ at least one antioxidant selected from the group consisting of vitamin C,  
vitamin E, lipoic acid, selenium salts and carotenoids.

13 69. (previously presented) The preparation according to claim 56, which  
further contains ~~h)~~ an extract of ginkgo biloba.

14 70. (previously presented) The preparation according to claim ~~56~~<sup>1</sup>, which comprises per daily dose:

at least 120 mg of long chain polyunsaturated fatty acids;

at least 200 mg phospholipids;

at least 200 µg folic acid; and

at least 500 mg citrate.

15 71. (previously presented) The preparation according to claim ~~70~~<sup>17</sup>, which comprises per daily dose:

at least 20 mg eicosapentaenoic acid;

at least 50 mg docosahexaenoic acid;

at least 50 mg arachidonic acid;

at least 200 mg phospholipids;

at least 200 µg folic acid;

at least 100 mg magnesium;

at least 5 mg zinc;

at least 2 mg vitamin B6;

at least 2 µg vitamin B12; and

at least 1.0 g citrate.

16 72. (previously presented) The preparation according to claim ~~56~~<sup>1</sup>, wherein said preparation is in the form of a nutritional supplement.

19 73. (currently amended) A composition, comprising:

a) a long chain polyunsaturated fatty acid fraction comprising at least one fatty acid selected from the group consisting of eicosapentaenoic acid (EPA), docosahexaenoic acid (DHA), dihomogammalinolenic acid (DHGLA), and arachidonic acid (AA); and at least one fatty acid selected from the group consisting of linoleic acid and  $\alpha$ -linoleic acid;

b) at least two different phospholipids selected from the group consisting of phosphatidylserine, phosphatidylinositol, phosphatidylcholine and phosphatidylethanolamine; and

c) ~~at least one factor in methionine metabolism, selected from the group consisting of folic acid, vitamin B12, and vitamin B6, magnesium and zinc,~~

and wherein the ratio of the total amount of EPA + DHA + DHGLA + AA to the total amount of linoleic acid and  $\alpha$ -linoleic acid is larger than 0.1:1.

74. (canceled)

75. (canceled)

<sup>17</sup> 76. (previously presented) The preparation according to claim <sup>1</sup>56, wherein fraction c) further comprises at least 200  $\mu$ g of folic acid, at least 2 mg of vitamin B6 or at least 2  $\mu$ g of vitamin B12 per daily dosage.

<sup>18</sup> 77. (previously presented) The preparation according to claim <sup>1</sup>56, wherein the amount of phospholipids in fraction b) is at least 200 mg per daily dosage.

78. (canceled)

79. (canceled)

<sup>20</sup> 80. (previously presented) The composition according to claim <sup>19</sup>73, wherein fraction c) of said preparation comprises at least 200  $\mu$ g of folic acid, or at least 2 mg of vitamin B6.

21 81. (previously presented) The composition according to claim 73,<sup>(9)</sup>  
wherein the ratio of the total amount of EPA + DHA + DHGLA + AA to the total amount  
of linoleic acid and  $\alpha$ -linoleic acid is larger than 0.4:1.